

Logon

*** It is now 11/19/2008 4:01:46 PM ***

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Thomson File Histories are available from the following *Dialog* databases:

- CLAIMS/Current Patent Legal Status (File 123)
- CLAIMS/U.S. Patents (File 340)
- Chinese Patent Abstracts in English (File 344)
- Derwent Patents Citation Index (File 342)
- Derwent World Patents Index (for users in Japan) (File 352)
- Derwent World Patents Index First View (File 331)
- Derwent World Patents Index (File 351)
- Derwent World Patents Index (File 350)
- Ei EnCompassPat (File 353)
- European Patents Fulltext (File 348)
- French Patents (File 371)
- German Patents Fulltext (File 324)
- IMS Patent Focus (File 447, 947)
- INPADOC/Family and Legal Status (File 345)
- JAPIO - Patent Abstracts of Japan (File 347)
- LitAlert (File 670)
- U.S. Patents Fulltext (1971-1975) (File 652)

- U.S. Patents Fulltext (1976-present) (File 654)
- WIPO/PCT Patents Fulltext (File 349)
- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes

New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports
- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)
- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database
- Support for connections to STN Germany and STN Japan services

Show Preferences for details

? Help Log On Msg

*** ANNOUNCEMENTS ***

*** Join us for Update 2008! Dialog is holding updates this fall in several areas and would love for you to join us. Visit www.dialog.com/events/update to register or enter HELP UPDATES for more information.

*** "Thomson File Histories" are now available directly through Dialog in selected patent and trademark files. Combined with the comprehensive patent and trademark information on Dialog, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in one of the patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need. See HELP FILEHIST for more information about how to use the link and a list of files that contain the link.

NEW FILE

***File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.

RESUMED UPDATING

***File 523, D&B European Financial Records

RELOADS COMPLETED

***File 227, TRADEMARKSCAN(R) - Community Trademarks

FILES RENAMED

***File 321, PLASPEC now known as Plastic Properties Database

FILES REMOVED

***File 601, Early Edition Canada

>>>For the latest news about Dialog products, services, content<<<
>>>and events, please visit What's New from Dialog at <<<
>>><http://www.dialog.com/whatsnew/>. You can find news about <<<
>>>a specific database by entering HELP NEWS <file number>. <<<

? Help Off Line

* * *

Connecting to Scott Jarrett - Dialog - 276702

Connected to Dialog via SMS002122526

? b 411

> Set Files all

> Select (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step?
or script? or task? or resource?)) and server not py>2002

Processing

Processing

Processing

Processing

[illegible]

[illegible]

Processing

Processing

Processing

Processing

Processing

Processing

Processing

6 databases have items, of 516 searched.

Hits	File	Name
1	13	<u>BAMP 2008/Nov 18</u>
2	15	<u>ABI/Inform(R) 1971-2008/Nov 13</u>
1	88	<u>Gale Group Business A.R.T.S. 1976-2008/Nov 18</u>
21	349	<u>PCT.FULLTEXT 1979-2008/UB=20081113HUT=20081106</u>
1	648	<u>TV and Radio Transcripts 1997-2008/Nov W3</u>
32	654	<u>USPAT.FULL. 1976-2008/NOV 13</u>

Estimated Cost Summary

Project		Client		Charge Code		Searcher		Job		Service Code	User Number
						Scott Jarrett				51	276702
Date		Time		SessionID		Subsession		Subaccount			
11/19/2008		16:28:56		150		3					
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total	
411	72.6110	213.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	213.48	
Sub Totals	72.6110	\$213.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$213.48	
Session Totals	72.9790	\$213.51		Telecom	\$7.17					\$220.68	

Begin 13,15,88,349,648,654

[File 13] BAMP 2008/Nov 18

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**File 13: UD names were adjusted to reflect load date. All data is present.*

[File 15] ABI/Inform(R) 1971-2008/Nov 13

(c) 2008 ProQuest Info&Learning. All rights reserved.

[File 88] Gale Group Business A.R.T.S. 1976-2008/Nov 18
(c) 2008 Gale/Cengage. All rights reserved.

[File 349] PCT FULLTEXT 1979-2008/UB=20081113IUT=20081106
(c) 2008 WIPO/Thomson. All rights reserved.

[File 648] TV and Radio Transcripts 1997-2008/Nov W3
(c) 2008 FDCH Inc. All rights reserved.

[File 654] US PAT.FULL. 1976-2008/NOV 13
(c) Format only 2008 Dialog. All rights reserved.

```
SELECT (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step?  
or script? or task? or resource?)) and server not py>2002
```

Processing

Processing

Processing

Processing

Processing

Processing

1339533 LOAD

1256709 BALANC??

404492 SHARING

18540 LOAD(W) (BALANC?? OR SHARING)

1261518 OMITT??

66157 OMISSION

91745 SKIP??

4881775 STEP?

176769 SCRIPT?

1059694 TASK?

1379049 RESOURCE?

48390 ((OMITT?? OR OMISSION) OR SKIP??) (2N) (((STEP? OR SCRIPT?) OR TASK?) OR
RESOURCE?)

594673 SERVER

6736447 PY>2002

S1 58 SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR
SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002

?
 ? rd
 >>>W: Duplicate detection is not supported for File 349.
 Duplicate detection is not supported for File 654.
 Records from unsupported files will be retained in the RD set.
 S2 58 RD (UNIQUE ITEMS)

? Logoff Hold

Estimated Cost Summary

Project		Client		Charge Code		Searcher		Job		Service Code	User Number
						Scott Jarrett				51	276702
Date		Time		SessionID		Subsession		Subaccount			
11/19/2008		16:34:16		150		5					
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total	
13	0.1380	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	
15	0.3140	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	
88	0.3630	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	
349	1.0080	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.94	
648	0.0260	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
654	4.1660	25.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.37	
Sub Totals	6.0150	\$34.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.51	
Session Totals	79.3430	\$255.53		Telecom	\$1.39					\$256.92	

Holding session beginning: 11/19/2008 4:34:17 PM

Just enter a command to reestablish your session

? d s
 Set Items Description
 S1 58 SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002
 S2 58 RD (unique items)

? s s2 and hitachi

58 S2
 52994 HITACHI
 S3 3 S S2 AND HITACHI

 ? s s2 and partition*
 >>>W: Keyword "FROM" in invalid position
 >>>E: There is no result

 ? s s2 and partition??
 58 S2
 372514 PARTITION??
 S4 12 S S2 AND PARTITION??

 ? t s4/ti/all

4/106/1 (Item 1 from file: 349)

PCT FULLTEXT

(c) 2008 WIPO/Thomson. All rights reserved.

Country	Number	Kind	Date
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4/106/2 (Item 2 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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4/106/3 (Item 3 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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4/106/4 (Item 4 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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4/TI/5 (Item 1 from file: 654)

US PAT.FULL.

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Systems and methods for resource usage accounting in
information management environments

4/TI/6 (Item 2 from file: 654)

US PAT.FULL.

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Peer-to-peer caching network for user data

4/TI/7 (Item 3 from file: 654)

US PAT.FULL.

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Method for automatic partitioning of node-weighted,
edge-constrained graphs

4/TI/8 (Item 4 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

System and method for providing requested quality of service
in a hybrid network

4/TI/9 (Item 5 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

Data transfer circuitry, DSP wrapper circuitry and improved
processor devices, methods and systems

4/TI/10 (Item 6 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

Bus bridge device including data bus of first width for a
first processor, memory controller, arbiter circuit and second processor
having a different second data width

4/TI/11 (Item 7 from file: 654)

US PAT.FULL.

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System, method and article of manufacture for communications
utilizing calling, plans in a hybrid network

4/TI/12 (Item 8 from file: 654)

US PAT.FULL.

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System, method and article of manufacture with integrated
video conferencing billing in a communication system architecture

? ts4/3,k/8,7

4/3,K/8 (Item 4 from file: 654)

Fulltext available through: [Order File History](#)

US PAT.FULL.

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4622323

Utility

REASSIGNED

System and method for providing requested quality of service
in a hybrid network

Inventor: Elliott, Isaac K., Colorado Springs, CO

Reynolds, Tim E., Iowa City, IA

Krishnaswamy, Sridhar, Cedar Rapid, IA

Assignee: MCI Communications Corporation 02), Washington, DC

Examiner: Vu, Huy D. (Art Unit: 263)

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6335927	A	20020101	US 96751917	
19961118					

Fulltext Word Count: 125719

**IMAGE Available

Description of the Drawings:

...FIG. 40 is a diagrammatic representation of a web server logon
in accordance with a preferred embodiment...

...FIG. 41 is a diagrammatic representation of a server directory
structure used with the logon of FIG. 40 in accordance with a preferred
embodiment...

Description of the Invention:

...The agents process the calls received by communicating with the NIDS (Network Information Distributed Services) Server which are the Validation or the Database Servers with the requisite databases for the various...

...offered by ISN. Once the call is validated by processing of the call on the server, the agent communicates the status back to the ACD 4a. The ACD 4a in turn...

...used to communicate information to a variety of set top devices 1941-1943. A web server 1944 provides access for an order entry system 1945 to the Internet 1910...

...include Ethernet, fast Ethernet, FDDI, ATM, and Frame Relay. These packets go through the same steps as IP packets arriving via the modem PPP interfaces...Call Context Server 2142--accepts network event records and service event records in real time, and allows queries ...

...Statistics Server 2140--accepts statistics events from service engines, performs rollups, and allows queries against the data...

...Ds 2182--Data server, one of the master copies of ISP information ...

...supported by a service engine is driven by configuration data, stored on the ISP Data Server 2182...

...for that service engine 2134, as needed. Caching can be controlled by the ISP database server 2182, or controlled by the database of the ISP database server 2182. Data may be cached semi-permanently (on disk or in memory) at a service...

...if it is deemed to be too much overhead to load data from the data server 2182 on a frequent basis...SLEE is started on a Service Engine 2134, it retrieves its configuration from the database server 2182. The configuration instructs the SLEE to execute a list of services 2200. The software...

...is not already on the Service Engine 2134, the software is retrieved from the database server 2182. The software is executed, and service 200 begins to run...

...a service may be cached on a service engine 2134 from the ISP 2100 database server 2182 to prevent expensive remote database lookups. As the service executes, information may be generated...

...b) Partitions ...

...replicated copies are viewed logically as a single item. Any of these copies may be partitioned into physical subsets so that not all data items are necessarily at one site. However...

...Data Management policies include security, distribution, integrity rules, performance requirements, and control of replications and partitions. dbAdmin 2238 includes the physical control of data resources such as establishing data locations, allocating...Domain: The management environment may be partitioned in a number of ways such as functionally (fault, service . . .), geographical, organizational structure, etc...

Exemplary or Independent Claim(s):

...transmitting the bill detail record to a call server connected to the hybrid network.

Non-exemplary or Dependent Claim(s):

...transmitting a message to the call server with a third entry indicative of time of termination of the media communication...

...a call server that receives the bill detail record from each of said plurality of switches...

...wherein the intelligent services network further comprises a call server that receives the bill detail record from each of said plurality of switches...

4/3,K/7 (Item 3 from file: 654)

Fulltext available through: [Order File History](#)

US PAT.FULL.

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4733894 **IMAGE Available

Derwent Accession: 2002-689961

Utility

REASSIGNED

E/ Method for automatic partitioning of node-weighted, edge-constrained graphs

Inventor: Ibe, Oliver, Andover, MA

Vaishnavi, Vick, Danville, NH

Dev, Roger, Durham, NH

Assignee: Aprisma Management Technologies, Inc 02), Portsmouth, NH

Aprisma Management Tech Inc

Examiner: Bayerl, Raymond J. (Art Unit: 213)

Assistant Examiner: Hailu, Tadesse

Combined Principal Attorneys: Coryea, Paul M.

Publication Number	Kind	Date	Application Number	Filing Date
-----	--	-----	-----	-----

Fulltext Word Count: 19107

**IMAGE Available

Abstract:

...method further includes assigning a weight to each node in the graph, and balancing the partitions as a function of the weight of each node in a respective partition.

Summary of the Invention:

...Soc. of Mech. Engineers, 291-307, (A. K. Noor, ed. 1986)). However, this method provides partitions that are worse than those of the spectral method. A major limitation of this method...

...i.e., reduces the size of the graph) by collapsing the nodes and edges; it partitions the smaller graph, and then uncoarsens it to construct a partition of the original graph. Unfortunately this method is very complicated and has not yet been...

...This means that all the nodes are essentially identical and the only objective is to partition the graph to generate an equal number of nodes in each partition. When weights are associated with either the nodes or the edges, none of these methods...

...with the prior art, the present invention automatically manipulates the nodes of a graph to partition the graph without the need for manually configuring each node. The present invention uses a software control mechanism to partition the graph and, if necessary, to re-partition the graph, without the need to manually intervene in the configuration of the network...

...assigning a weight to each node in the graph, and the partitioning step includes balancing partitions as a function of the weight of each node in a respective partition.

...

...In yet another embodiment of the invention, a method is provided for operating a partitioned communication network having a plurality of network devices interconnected by a plurality of communication links. The method comprises detecting a failure of a network device, automatically generating a new partition based on a topology of the network without the failed device and operating the communication network using the automatically-generated partition. The automatic generating step includes determining the topology of the network without the failed device...

...and does not respond easily to the load changes in the system. An automated system partitions the system into as many domains as

there are available control agents and ensures that...

...each node in the graph, and the means for partitioning includes means for balancing the partitions as a function of the weights of each node in a respective partition.

Description of the Drawings:

...FIG. 3A is a flow diagram of a method performed in order to partition graphs having identified anchor nodes in accordance with the present invention...

...FIG. 17 is a flow diagram of a process performed in order to automatically partition graphs in accordance with a second embodiment of the present invention...

...FIG. 18 illustrates a graph which is partitioned into two domains
...

Description of the Invention:

...Partitioning may be done to minimize the communication flow across domains. The desired number of partitions may or may not be known a priori and any node can be in any...

...in partitioning prior art switched networks is the same as the manual techniques used to partition connectionless networks. This presents a lot of problems. One problem is an assumption that the...

...communication network to provide efficient distribution and use of nodes for an initial assignment of partitions, for recovery from failure of a control agent, as well as other reasons apparent from...

...automatically partitioning a graph is provided. This embodiment may be used, for example, to automatically partition nodes in a communication network. While the following discussion is presented in the context of...

...agent may need to be centered around its anchor node. However, a graph may be partitioned without knowledge of the existence or location of anchor nodes. In this case, the control agents may be assigned to domains after the graph has been partitioned.
...

...At a step 202, this graph is automatically partitioned. Certain embodiments of processes for automatic partitioning are described in greater detail below...

...In one embodiment, partitioning is performed within a partitioning engine in a Network Management Server (NMS) (the engine being software running on a general purpose computer used by the NMS...

...its entirety. Once the topology of the network has been discovered, the network is automatically partitioned according to the present invention, at step 202...

...embodiment, each of the control agents may independently discover the network topology information and independently partition the graph. In such a situation, of course, it may be important that each control agent reach the same conclusions about how the network is partitioned into domains...

...need not) include one or more of the following parameters as desired characteristics of the partitioned graph/network...After step 202, at a step 203, the domains (partitions of the graph) are assigned to control agents. This involves informing each control agent which...

...the control agents are independently partitioning the network (each reaching the same conclusion), such a step may be omitted.

...

...At step 202, the graph-model of the communication network is automatically partitioned. This may be done in a variety of ways

...

...to the graph partitioning problem is that of finding a good starting point for the partitions. One embodiment of the present invention overcomes this problem by defining the concept of a...

... W_t/n denote the average weight of a domain in an optimally partitioned graph. Let "Min..."

...This example illustrates how the invention partitions the graph of FIG. 1A. FIG. 5A shows the graph of FIG. 1 including anchor...

...Since there are three anchor nodes, 1, 6 and 11, clusters are partitioned around the anchor nodes (step 17). Supernode A is assigned to anchor node 1. This...

...which form one cluster. Since there are no uncovered nodes (step 15), the cluster is partitioned into two clusters (one for each of anchor nodes 5 and 9...nodes are uncovered (step 15). Since there are two anchor nodes, the cluster must be partitioned into two clusters (step 17). Since nodes 1 and 3 are anchor nodes, they are...

...In some cases, the graphs which are to be partitioned may include more uncovered nodes than covered nodes. In this case, the method described above...

...As explained with reference to FIG. 3B below, to partition degenerate cases, control groups are generated. Next, intra-group

connectivity is tested in order to...

...A simple way to partition the network into $N_{sub}A$ control groups (where $N_{sub}A$ is the number...

...is a set of nodes under the control of one control agent or Virtual Name Server (VNS), which is a network management server which runs the switched network. A control group becomes a domain if a path exists...

...of $k=3$ (i.e., the triple star configuration) is shown in FIG. 13. The partition rule, as described with reference to FIG. 3B, is to assign the first set of...

...VNS may rerun the partitioning method of the present invention. Once the network is re-partitioned into domains and control groups to reflect the changed topography, and the server loads are balanced, and the network is operated based on the new partitioning...

...useful when the number and location of anchor nodes is not known or when a server which operates a domain becomes inoperable, and therefore leaves a domain without a server or controller. It is also useful when it becomes necessary to reassign the servers in a network, due to an overload on a particular server or controller or to better distribute load across a network, for example. In this embodiment, the graph is partitioned into a number of clusters and then the number of clusters is manipulated to match...

...described as follows with reference to FIG. 17. A preliminary phase of the method first partitions the graph starting with the supernode identification process outlined above. In step 310, strong and...

...starting point for partitioning the graph with no attention paid to the weight of each partition. The domain weight balancing phase addresses the need to ensure that all nodes are covered...

...defined for balancing of weight among domains. If all nodes are covered, the graph is partitioned around the clusters. If the weight of each cluster is L plus or minus t ...

... $t < N_{sub}D$ and all the nodes are covered, the larger clusters may be partitioned into smaller clusters. Let $N_{sub}c$ denote the number of clusters in the current...as the starting point. Any other supernode is then added to one of the two partitioned clusters if that supernode does not share a node with any supernode in the other...

...cluster that do not have a node in common, and therefore the cluster cannot be partitioned into two clusters, the number of clusters remains the same, and any unassigned servers are...

...for future expansion. For example, consider the graph of FIG. 18. When the graph is

partitioned according to the present invention, the graph contains two clusters ($N_{\text{sub}c} = 2$). Cluster...

...nodes 5, 6 and 7. If $N_{\text{sub}D} = 3$, an attempt is made to partition the clusters so that $N_{\text{sub}c} = 3$. However, in this case, neither cluster has...

...Therefore, neither cluster may be partitioned into two separate clusters. In this case, the first server is assigned to cluster 1, the second server is assigned to cluster 2 and the third server is used either as a back-up for the first and second servers or is...

...graph, the graph is repartitioned and, as soon as the graph is capable of being partitioned into three domains using the method described above, the third server is assigned to one of the three domains...

...nodes have the same weight. FIG. 19D is a flowchart of a method to automatically partition the graph of FIG. 19A. In step 120, four triangular supernodes are identified. These supernodes...

...and C then become clusters. Since all nodes in the cluster are covered, the required partition of the cluster has been produced ($N_{\text{sub}c} = N_{\text{sub}D}$) (step 186) and...

...While the network is operating, the load on each server is monitored by the VNS. If the load on a server exceeds a specified threshold, the domain in which the server is operating can be slightly reconfigured. The VNS instructs the overloaded server to give up control of one of its edge nodes to an adjacent server which is capable of taking on another node (e.g., has a lower load). This alleviates the load on the overloaded server without the need for completely re-partitioning the network. In the preferred embodiment of the invention, the load threshold is 50% of the server's capacity. When the VNS determines that a particular server is operating above 50% capacity, it initiates the node passing method described above to alleviate the load on the server. In the case where adjacent nodes are overloaded such that passing edge nodes would not solve the overload condition, then the VNS re-partitions the network into load-balanced domains...

...the preferred embodiment, the computer is part of a partitioning engine of a Network Management Server, as described above...

...may be applied to other media. For example, the nodes of the graph which is partitioned may represent components of a VLSI chip and the edges of the graph may represent...

Exemplary or Independent Claim(s):

1. A method for partitioning a communication network into partitions, the method comprising...

...and wherein the partitioning step includes a step of generating

partitions such that links identified as weak links are not included within any one partition.

Non-exemplary or Dependent Claim(s):

2. The method of claim 1, further comprising assigning domain controllers to each of said partitions.

...

...3. A method for partitioning a communication network into partitions, the method comprising...

...partitioning step includes a step of balancing the combined weights of the nodes in each partition.

...

...the generating step includes the step of determining a range of acceptable weights for each partition.

...

...8. The method of claim 7, wherein the network is partitioned into domains and the partitioning step further comprises a step of generating the domains from...

...partitioning includes means for to balancing the combined weights of the nodes in each respective partition.

...

...the means for generating includes means for determining a range of acceptable weights for each partition.

...

...19. A method for using a computer to automatically partition a

graph comprising a plurality of nodes interconnected by edges, the method comprising...

...c) forming partitions from the clusters...

...20. The method of claim 19, wherein the forming partitions step includes a step of forming partitions such that links identified as weak links are not included within any one partition.

3/II/1 (Item 1 from file: 88)
 Gale Group Business A.R.T.S.
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 HPFBench: A High Performance Fortran Benchmark Suite.

3/II/2 (Item 1 from file: 654)
 US PAT.FULL.
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Data transfer circuitry, DSP wrapper circuitry and improved
 processor devices, methods and systems

3/II/3 (Item 2 from file: 654)
 US PAT.FULL.
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Bus bridge device including data bus of first width for a
 first processor, memory controller, arbiter circuit and second processor
 having a different second data width

? d s

Set Items Description

S1 58 SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP?
 OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002
 S2 58 RD (unique items)
 S3 3 S S2 AND HITACHI
 S4 12 S S2 AND PARTITION??

? b 411

Estimated Cost Summary

Project	Client	Charge Code	Searcher	Job	Service Code	User Number
---------	--------	-------------	----------	-----	--------------	-------------

				Scott Jarrett				51		276702
Date		Time		SessionID		Subsession		Subaccount		
11/19/2008		16:46:16		150		5				
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total
13	0.1620	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91
15	0.3600	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01
88	0.4130	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87
349	1.1620	5.70	0.00	1.08	0.00	0.00	0.00	0.00	0.00	6.78
648	0.0330	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
654	4.9210	29.97	0.00	4.64	0.00	0.00	0.00	0.00	0.00	34.61
Sub Totals	7.0510	\$40.49	\$0.00	\$5.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.21
Session Totals	80.3790	\$261.51		Telecom	\$4.59					\$271.82

> Set Files all

> Select ((server? or resource? or partition?) () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))

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>>>W: I/O error in file 275

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1	810	<u>Business Wire 1986-1999/Feb 28</u>
2	990	<u>NewsRoom Current Aug 01-2008/Nov 18</u>
2	991	<u>NewsRoom 2008 Jan 1-2008/Jul 31</u>
5	992	<u>NewsRoom 2007</u>
2	993	<u>NewsRoom 2006</u>
2	994	<u>NewsRoom 2005</u>
1	995	<u>NewsRoom 2004</u>
2	996	<u>NewsRoom 2000-2003</u>

Logon

*** It is now 11/19/2008 4:01:46 PM ***

Welcome to DialogLink - Version 5 Revolutionize the Way You Work!

New on Dialog

Order Patent and Trademark File Histories Through Dialog

Thomson File Histories are now available directly through *Dialog*. Combined with the comprehensive patent and trademark information on *Dialog*, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in the following patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need.

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- CLAIMS/Current Patent Legal Status (File 123)
- CLAIMS/U.S. Patents (File 340)
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- Derwent Patents Citation Index (File 342)
- Derwent World Patents Index (for users in Japan) (File 352)
- Derwent World Patents Index First View (File 331)
- Derwent World Patents Index (File 351)
- Derwent World Patents Index (File 350)
- Ei EnCompassPat (File 353)
- European Patents Fulltext (File 348)

- French Patents (File 371)
- German Patents Fulltext (File 324)
- IMS Patent Focus (File 447, 947)
- INPADOC/Family and Legal Status (File 345)
- JAPIO - Patent Abstracts of Japan (File 347)
- LitAlert (File 670)
- U.S. Patents Fulltext (1971-1975) (File 652)
- U.S. Patents Fulltext (1976-present) (File 654)
- WIPO/PCT Patents Fulltext (File 349)
- TRADEMARKSCAN - U.S. Federal (File 226)

DialogLink 5 Release Notes

New features available in the latest release of DialogLink 5 (August 2006)

- Ability to resize images for easier incorporation into DialogLink Reports
- New settings allow users to be prompted to save Dialog search sessions in the format of their choice (Microsoft Word, RTF, PDF, HTML, or TEXT)
- Ability to set up Dialog Alerts by Chemical Structures and the addition of Index Chemicus as a structure searchable database
- Support for connections to STN Germany and STN Japan services

Show Preferences for details

? Help Log On Msg

*** ANNOUNCEMENTS ***

*** Join us for Update 2008! Dialog is holding updates this fall in several areas and would love for you to join us. Visit www.dialog.com/events/update to register or enter HELP UPDATES for more information.

*** "Thomson File Histories" are now available directly through Dialog

in selected patent and trademark files. Combined with the comprehensive patent and trademark information on Dialog, file histories give you the most complete view of a patent or trademark and its history in one place. When searching in one of the patent and trademark databases, a link to an online order form is displayed in your search results, saving you time in obtaining the file histories you need. See HELP FILEHIST for more information about how to use the link and a list of files that contain the link.

NEW FILE

***File 651, TRADEMARKSCAN(R) - China. See HELP NEWS 651 for details.

RESUMED UPDATING

***File 523, D&B European Financial Records

RELOADS COMPLETED

***File 227, TRADEMARKSCAN(R) - Community Trademarks

FILES RENAMED

***File 321, PLASPEC now known as Plastic Properties Database

FILES REMOVED

***File 601, Early Edition Canada

>>>For the latest news about Dialog products, services, content<<<
>>>and events, please visit What's New from Dialog at <<<
>>><http://www.dialog.com/whatsnew/>. You can find news about <<<
>>>a specific database by entering HELP NEWS <file number>. <<<

? Help Off Line

* * *

Connecting to Scott Jarrett - Dialog - 276702

Connected to Dialog via SMS002122526

? b 411

> Set Files all

> Select (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step?
or script? or task? or resource?)) and server not py>2002

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Hits	File	Name
1	13	<u>BAMP_2008/Nov 18</u>
2	15	<u>ABI/Inform(R) 1971-2008/Nov 13</u>
1	88	<u>Gale Group Business A.R.T.S. 1976-2008/Nov 18</u>
21	349	<u>PCT FULLTEXT 1979-2008/UB=20081113UT=20081106</u>
1	648	<u>TV and Radio Transcripts 1997-2008/Nov W3</u>
32	654	<u>US PAT.FULL. 1976-2008/NOV 13</u>

[illegible]

Session Totals	72.9790	\$213.51		Telecom	\$7.17					\$220.68
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Begin 13,15,88,349,648,654

[File 13] BAMP 2008/Nov 18

(c) 2008 Gale/Cengage. All rights reserved.

**File 13: UD names were adjusted to reflect load date. All data is present.*

[File 15] ABI/Inform(R) 1971-2008/Nov 13

(c) 2008 ProQuest Info&Learning. All rights reserved.

[File 88] Gale Group Business A.R.T.S. 1976-2008/Nov 18

(c) 2008 Gale/Cengage. All rights reserved.

[File 349] PCT FULLTEXT 1979-2008/UB=20081113UT=20081106

(c) 2008 WIPO/Thomson. All rights reserved.

[File 648] TV and Radio Transcripts 1997-2008/Nov W3

(c) 2008 FDCH Inc. All rights reserved.

[File 654] US PAT.FULL. 1976-2008/NOV 13

(c) Format only 2008 Dialog. All rights reserved.

```
SELECT (load () (balanc?? or sharing)) and ((omitt?? or omission or skip??) (n2) (step?
or script? or task? or resource?)) and server not py>2002
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Processing

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1339533  LOAD
1256709  BALANC??
404492  SHARING
18540   LOAD(W) (BALANC?? OR SHARING)
1261518  OMITT??
66157   OMISSION
91745   SKIP??
4881775  STEP?
176769  SCRIPT?
```

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1059694 TASK?
1379049 RESOURCE?
48390 ((OMITT?? OR OMISSION) OR SKIP??) (2N) (((STEP? OR SCRIPT?) OR TASK?) OR
RESOURCE?)
594673 SERVER
6736447 PY>2002

S1 58 SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR
SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002

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? rd

>>>W: Duplicate detection is not supported for File 349.
Duplicate detection is not supported for File 654.
Records from unsupported files will be retained in the RD set.

S2 58 RD (UNIQUE ITEMS)

? Logoff Hold

```

Estimated Cost Summary

Project		Client		Charge Code		Searcher		Job		Service Code	User Number
						Scott Jarrett				51	276702
Date		Time		SessionID		Subsession		Subaccount			
11/19/2008		16:34:16		150		5					
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total	
13	0.1380	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	
15	0.3140	1.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.75	
88	0.3630	1.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.65	
349	1.0080	4.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.94	
648	0.0260	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
654	4.1660	25.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.37	
Sub Totals	6.0150	\$34.51	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.51	
Session Totals	79.3430	\$255.53		Telecom	\$1.39					\$256.92	

Holding session beginning: 11/19/2008 4:34:17 PM

Just enter a command to reestablish your session

? d s

Set	Items	Description
S1	58	SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002
S2	58	RD (unique items)

? s s2 and hitachi

	58	S2
	52994	HITACHI
S3	3	S S2 AND HITACHI

? s s2 and partition*

>>>W: Keyword "FROM" in invalid position

>>>E: There is no result

? s s2 and partition??

	58	S2
	372514	PARTITION??
S4	12	S S2 AND PARTITION??

? t s4/ti/all

4/106/1 (Item 1 from file: 349)

PCT FULLTEXT

(c) 2008 WIPO/Thomson. All rights reserved.

Country	Number	Kind	Date
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4/106/2 (Item 2 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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4/106/3 (Item 3 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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4/106/4 (Item 4 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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4/II/5 (Item 1 from file: 654)

US PAT.FULL.

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Systems and methods for resource usage accounting in
information management environments

4/II/6 (Item 2 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

Peer-to-peer caching network for user data

4/II/7 (Item 3 from file: 654)

US PAT.FULL.

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Method for automatic partitioning of node-weighted,
edge-constrained graphs

4/TI/8 (Item 4 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

System and method for providing requested quality of service
in a hybrid network

4/TI/9 (Item 5 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

Data transfer circuitry, DSP wrapper circuitry and improved
processor devices, methods and systems

4/TI/10 (Item 6 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

Bus bridge device including data bus of first width for a
first processor, memory controller, arbiter circuit and second processor
having a different second data width

4/TI/11 (Item 7 from file: 654)

US PAT.FULL.

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System, method and article of manufacture for communications
utilizing calling, plans in a hybrid network

4/11/12 (Item 8 from file: 654)

US PAT.FULL.

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System, method and article of manufacture with integrated
video conferencing billing in a communication system architecture

? ts4/3,k/8,7

4/3,K/8 (Item 4 from file: 654)

Fulltext available through: [Order File History](#)

US PAT.FULL.

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4622323

Utility

REASSIGNED

System and method for providing requested quality of service
in a hybrid network

Inventor: Elliott, Isaac K., Colorado Springs, CO

Reynolds, Tim E., Iowa City, IA

Krishnaswamy, Sridhar, Cedar Rapid, IA

Assignee: MCI Communications Corporation 02), Washington, DC

Examiner: Vu, Huy D. (Art Unit: 263)

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6335927	A	20020101	US 96751917	
19961118					

Fulltext Word Count: 125719

**IMAGE Available

Description of the Drawings:

...FIG. 40 is a diagrammatic representation of a web server logon in accordance with a preferred embodiment...

...FIG. 41 is a diagrammatic representation of a server directory structure used with the logon of FIG. 40 in accordance with a preferred embodiment...

Description of the Invention:

...The agents process the calls received by communicating with the NIDS (Network Information Distributed Services) Server which are the Validation or the Database Servers with the requisite databases for the various...

...offered by ISN. Once the call is validated by processing of the call on the server, the agent communicates the status back to the ACD 4a. The ACD 4a in turn...

...used to communicate information to a variety of set top devices 1941-1943. A web server 1944 provides access for an order entry system 1945 to the Internet 1910...

...include Ethernet, fast Ethernet, FDDI, ATM, and Frame Relay. These packets go through the same steps as IP packets arriving via the modem PPP interfaces...Call Context Server 2142--accepts network event records and service event records in real time, and allows queries...

...Statistics Server 2140--accepts statistics events from service engines, performs rollups, and allows queries against the data...
...Ds 2182--Data server, one of the master copies of ISP information...

...supported by a service engine is driven by configuration data, stored on the ISP Data Server 2182...

...for that service engine 2134, as needed. Caching can be controlled by the ISP database server 2182, or controlled by the database of the ISP database server 2182. Data may be cached semi-permanently (on disk or in memory) at a service...

...if it is deemed to be too much overhead to load data from the data server 2182 on a frequent basis...SLEE is started on a Service Engine 2134, it retrieves its configuration from the database server 2182. The configuration instructs the SLEE to execute a list of services 2200. The software...

...is not already on the Service Engine 2134, the software is retrieved from the database server 2182. The software is executed, and

service 200 begins to run...

...a service may be cached on a service engine 2134 from the ISP 2100 database server 2182 to prevent expensive remote database lookups. As the service executes, information may be generated...

...b) Partitions

...

...replicated copies are viewed logically as a single item. Any of these copies may be partitioned into physical subsets so that not all data items are necessarily at one site. However...

...Data Management policies include security, distribution, integrity rules, performance requirements, and control of replications and partitions. dbAdmin 2238 includes the physical control of data resources such as establishing data locations, allocating...Domain: The management environment may be partitioned in a number of ways such as functionally (fault, service . . .), geographical, organizational structure, etc...

Exemplary or Independent Claim(s):

...transmitting the bill detail record to a call server connected to the hybrid network.

Non-exemplary or Dependent Claim(s):

...transmitting a message to the call server with a third entry indicative of time of termination of the media communication...

...a call server that receives the bill detail record from each of said plurality of switches...

...wherein the intelligent services network further comprises a call server that receives the bill detail record from each of said plurality of switches...

4/3,K/7 (Item 3 from file: 654)

Fulltext available through: [Order File History](#)

US PAT.FULL.

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4733894 **IMAGE Available
Derwent Accession: 2002-689961
Utility

REASSIGNED

E/ Method for automatic partitioning of node-weighted,
edge-constrained graphs

Inventor: Ibe, Oliver, Andover, MA
 Vaishnavi, Vick, Danville, NH
 Dev, Roger, Durham, NH
 Assignee: Aprisma Management Technologies, Inc 02), Portsmouth, NH
 Aprisma Management Tech Inc
 Examiner: Bayerl, Raymond J. (Art Unit: 213)
 Assistant Examiner: Hailu, Tadesse
 Combined Principal Attorneys: Coryea, Paul M.

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent 19971023	US 6437804	A	20020820	US 97956831	

Fulltext Word Count: 19107

**IMAGE Available

Abstract:

...method further includes assigning a weight to each node in the graph, and balancing the partitions as a function of the weight of each node in a respective partition.

Summary of the Invention:

...Soc. of Mech. Engineers, 291-307, (A. K. Noor, ed. 1986)). However, this method provides partitions that are worse than those of the spectral method. A major limitation of this method...

...i.e., reduces the size of the graph) by collapsing the nodes and edges; it partitions the smaller graph, and then uncoarsens it to construct a partition of the original graph. Unfortunately this method is very complicated and has not yet been...

...This means that all the nodes are essentially identical and the only objective is to partition the graph to generate an equal number of nodes in each partition. When weights are associated with either the nodes or the edges, none of these methods...

...with the prior art, the present invention automatically manipulates the nodes of a graph to partition the graph without the need for manually configuring each node. The present invention uses a software control mechanism to partition the graph and, if necessary, to re-partition the graph, without the need to manually intervene in the configuration of the network...

...assigning a weight to each node in the graph, and the partitioning step includes balancing partitions as a function of the weight of each node in a respective partition.

...

...In yet another embodiment of the invention, a method is provided for operating a partitioned communication network having a plurality of network devices interconnected by a plurality of communication links. The method comprises detecting a failure of a network device, automatically generating a new partition based on a topology of the network without the failed device and operating the communication network using the automatically-generated partition. The automatic generating step includes determining the topology of the network without the failed device...

...and does not respond easily to the load changes in the system. An automated system partitions the system into as many domains as there are available control agents and ensures that...

...each node in the graph, and the means for partitioning includes means for balancing the partitions as a function of the weights of each node in a respective partition.

Description of the Drawings:

...FIG. 3A is a flow diagram of a method performed in order to partition graphs having identified anchor nodes in accordance with the present invention...

...FIG. 17 is a flow diagram of a process performed in order to automatically partition graphs in accordance with a second embodiment of the present invention...

...FIG. 18 illustrates a graph which is partitioned into two domains
...

Description of the Invention:

...Partitioning may be done to minimize the communication flow across domains. The desired number of partitions may or may not be known a priori and any node can be in any...

...in partitioning prior art switched networks is the same as the manual techniques used to partition connectionless networks. This presents a lot of problems. One problem is an assumption that the...

...communication network to provide efficient distribution and use of nodes for an initial assignment of partitions, for recovery from failure of a control agent, as well as other reasons apparent from...

...automatically partitioning a graph is provided. This embodiment may be used, for example, to automatically partition nodes in a communication network. While the following discussion is presented in the context of...

...agent may need to be centered around its anchor node. However, a graph

may be partitioned without knowledge of the existence or location of anchor nodes. In this case, the control agents may be assigned to domains after the graph has been partitioned.

...

...At a step 202, this graph is automatically partitioned. Certain embodiments of processes for automatic partitioning are described in greater detail below...

...In one embodiment, partitioning is performed within a partitioning engine in a Network Management Server (NMS) (the engine being software running on a general purpose computer used by the NMS...

...its entirety. Once the topology of the network has been discovered, the network is automatically partitioned according to the present invention, at step 202...

...embodiment, each of the control agents may independently discover the network topology information and independently partition the graph. In such a situation, of course, it may be important that each control agent reach the same conclusions about how the network is partitioned into domains...

...need not) include one or more of the following parameters as desired characteristics of the partitioned graph/network...After step 202, at a step 203, the domains (partitions of the graph) are assigned to control agents. This involves informing each control agent which...

...the control agents are independently partitioning the network (each reaching the same conclusion), such a step may be omitted.

...

...At step 202, the graph-model of the communication network is automatically partitioned. This may be done in a variety of ways

...

...to the graph partitioning problem is that of finding a good starting point for the partitions. One embodiment of the present invention overcomes this problem by defining the concept of a...

...Wt/n denote the average weight of a domain in an optimally partitioned graph. Let "Min...

...This example illustrates how the invention partitions the graph of FIG. 1A. FIG. 5A shows the graph of FIG. 1 including anchor...

...Since there are three anchor nodes, 1, 6 and 11, clusters are partitioned around the anchor nodes (step 17). Supernode A is assigned to anchor node 1. This...

...which form one cluster. Since there are no uncovered nodes (step 15), the cluster is partitioned into two clusters (one for each of anchor nodes 5 and 9...nodes are uncovered (step 15). Since there are two anchor nodes, the cluster must be partitioned into two clusters (step 17). Since nodes 1 and 3 are anchor nodes, they are...

...In some cases, the graphs which are to be partitioned may include more uncovered nodes than covered nodes. In this case, the method described above...

...As explained with reference to FIG. 3B below, to partition degenerate cases, control groups are generated. Next, intra-group connectivity is tested in order to...

...A simple way to partition the network into $N_{\text{sub}}A$ control groups (where $N_{\text{sub}}A$ is the number...

...is a set of nodes under the control of one control agent or Virtual Name Server (VNS), which is a network management server which runs the switched network. A control group becomes a domain if a path exists...

...of $k=3$ (i.e., the triple star configuration) is shown in FIG. 13. The partition rule, as described with reference to FIG. 3B, is to assign the first set of...

...VNS may rerun the partitioning method of the present invention. Once the network is re-partitioned into domains and control groups to reflect the changed topography, and the server loads are balanced, and the network is operated based on the new partitioning...

...useful when the number and location of anchor nodes is not known or when a server which operates a domain becomes inoperable, and therefore leaves a domain without a server or controller. It is also useful when it becomes necessary to reassign the servers in a network, due to an overload on a particular server or controller or to better distribute load across a network, for example. In this embodiment, the graph is partitioned into a number of clusters and then the number of clusters is manipulated to match...

...described as follows with reference to FIG. 17. A preliminary phase of the method first partitions the graph starting with the supernode identification process outlined above. In step 310, strong and...

...starting point for partitioning the graph with no attention paid to the weight of each partition. The domain weight balancing phase addresses the need to ensure that all nodes are covered...

...defined for balancing of weight among domains. If all nodes are covered, the graph is partitioned around the clusters. If the weight of each cluster is L plus or minus t ...

...lt; $N_{\text{sub}D}$) and all the nodes are covered, the larger clusters may be partitioned into smaller clusters. Let $N_{\text{sub}c}$ denote the number of clusters in the current...as the starting point. Any other supernode is then added to one of the two partitioned clusters if that supernode does not share a node with any supernode in the other...

...cluster that do not have a node in common, and therefore the cluster cannot be partitioned into two clusters, the number of clusters remains the same, and any unassigned servers are...

...for future expansion. For example, consider the graph of FIG. 18. When the graph is

partitioned according to the present invention, the graph contains two clusters ($N_{\text{sub}c}=2$). Cluster...

...nodes 5, 6 and 7. If $N_{\text{sub}D}=3$, an attempt is made to partition the clusters so that $N_{\text{sub}c}=3$. However, in this case, neither cluster has...

...Therefore, neither cluster may be partitioned into two separate clusters. In this case, the first server is assigned to cluster 1, the second server is assigned to cluster 2 and the third server is used either as a back-up for the first and second servers or is...

...graph, the graph is repartitioned and, as soon as the graph is capable of being partitioned into three domains using the method described above, the third server is assigned to one of the three domains...

...nodes have the same weight. FIG. 19D is a flowchart of a method to automatically partition the graph of FIG. 19A. In step 120, four triangular supernodes are identified. These supernodes...

...and C then become clusters. Since all nodes in the cluster are covered, the required partition of the cluster has been produced ($N_{\text{sub}c}=N_{\text{sub}D}$) (step 186) and...

...While the network is operating, the load on each server is monitored by the VNS. If the load on a server exceeds a specified threshold, the domain in which the server is operating can be slightly reconfigured. The VNS instructs the overloaded server to give up control of one of its edge nodes to an adjacent server which is capable of taking on another node (e.g., has a lower load). This alleviates the load on the overloaded server without the need for completely re-partitioning the network. In the preferred embodiment of the invention, the load threshold is 50% of the server's capacity. When the VNS determines that a particular server is operating above 50% capacity, it initiates the node passing method described above to alleviate the load on the server. In the case where adjacent nodes are overloaded such that passing edge nodes would not solve the overload condition, then the VNS re-partitions the network into load-balanced domains...

...the preferred embodiment, the computer is part of a partitioning engine of a Network Management Server, as described above...

...may be applied to other media. For example, the nodes of the graph which is partitioned may represent components of a VLSI chip and the edges of the graph may represent...

Exemplary or Independent Claim(s):

1. A method for partitioning a communication network into partitions, the method comprising...

...and wherein the partitioning step includes a step of generating partitions such that links identified as weak links are not included within any one partition.

Non-exemplary or Dependent Claim(s):

2. The method of claim 1, further comprising assigning domain controllers to each of said partitions.

...

...3. A method for partitioning a communication network into partitions, the method comprising...

...partitioning step includes a step of balancing the combined weights of the nodes in each partition.

...

...the generating step includes the step of determining a range of acceptable weights for each partition.

...

...8. The method of claim 7, wherein the network is partitioned into domains and the partitioning step further comprises a step of generating the domains from...

...partitioning includes means for balancing the combined weights of the nodes in each respective partition.

...

...the means for generating includes means for determining a range of acceptable weights for each partition.

...

...19. A method for using a computer to automatically partition a

graph comprising a plurality of nodes interconnected by edges, the method comprising...

...c) forming partitions from the clusters...

...20. The method of claim 19, wherein the forming partitions step

includes a step of forming partitions such that links identified as weak links are not included within any one partition.

? t s3/ti/all

3/TI/1 (Item 1 from file: 88)

Gale Group Business A.R.T.S.

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HPFBench: A High Performance Fortran Benchmark Suite.

3/TI/2 (Item 1 from file: 654)

US PAT.FULL.

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Data transfer circuitry, DSP wrapper circuitry and improved processor devices, methods and systems

3/TI/3 (Item 2 from file: 654)

US PAT.FULL.

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Bus bridge device including data bus of first width for a first processor, memory controller, arbiter circuit and second processor having a different second data width

? d s

Set Items Description

S1 58 SELECT (LOAD () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?)) AND SERVER NOT PY>2002

S2 58 RD (unique items)
 S3 3 S S2 AND HITACHI
 S4 12 S S2 AND PARTITION??

? b 411

Estimated Cost Summary

Project		Client		Charge Code		Searcher		Job		Service Code	User Number
						Scott Jarrett				51	276702
Date		Time		SessionID		Subsession		Subaccount			
11/19/2008		16:46:16		150		5					
Data Base	Dial Units	Access Charge	Print Credit	Types	Prints	Report	Rank	Links	CSS	Total	
13	0.1620	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	
15	0.3600	2.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	
88	0.4130	1.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.87	
349	1.1620	5.70	0.00	1.08	0.00	0.00	0.00	0.00	0.00	6.78	
648	0.0330	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	
654	4.9210	29.97	0.00	4.64	0.00	0.00	0.00	0.00	0.00	34.61	
Sub Totals	7.0510	\$40.49	\$0.00	\$5.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.21	
Session Totals	80.3790	\$261.51		Telecom	\$4.59					\$271.82	

> Set Files all

> Select ((server? or resource? or partition?) () (BALANC?? OR SHARING)) AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))

Processing

Processing

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>>>W: I/O error in file 275

Processing

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26 databases have items, of 516 searched.

Hits	File	Name
1	9	<u>Business & Industry(R) Jul/1994-2008/Nov 18</u>
6	13	<u>BAMP 2008/Nov 18</u>
14	15	<u>ABI/Inform(R) 1971-2008/Nov 13</u>
3	16	<u>Gale Group PROMT(R) 1990-2008/Nov 10</u>
8	47	<u>Gale Group Magazine DB(TM) 1959-2008/Nov 03</u>
1	80	<u>TGG Aerospace/Def.Mkts(R) 1982-2008/Nov 05</u>
6	88	<u>Gale Group Business A.R.T.S. 1976-2008/Nov 18</u>
8	148	<u>GALE GROUP TRADE & INDUSTRY DB 1976-2008/NOV 06</u>
6	180	<u>Federal Register 19852008/Nov 19</u>

7	348	<u>EUROPEAN PATENTS 1978-200845</u>
7	349	<u>PCT FULLTEXT 1979-2008/UB=20081113UT=20081106</u>
6	484	<u>PERIODICAL ABS PLUSTEXT 1986-2008/OCT W1</u>
1	541	<u>SEC Online(TM) Annual Repts 1997/Sep W3</u>
1	635	<u>Business Dateline(R) 1985-2008/Nov 19</u>
1	647	<u>UBM Computer Fulltext 1988-2008/Nov W1</u>
63	654	<u>US PAT.FULL. 1976-2008/NOV 13</u>
1	774	<u>EdgarPlus(TM)-Prospectuses 2006/Oct 03</u>
1	775	<u>EdgarPlus(TM)-Reg. Statements 2006/Oct 03</u>
1	810	<u>Business Wire 1986-1999/Feb 28</u>
2	990	<u>NewsRoom Current Aug 01-2008/Nov 18</u>
2	991	<u>NewsRoom 2008 Jan 1-2008/Jul 31</u>
5	992	<u>NewsRoom 2007</u>
2	993	<u>NewsRoom 2006</u>
2	994	<u>NewsRoom 2005</u>
1	995	<u>NewsRoom 2004</u>
2	996	<u>NewsRoom 2000-2003</u>

Begin

9, 13, 15, 16, 47, 80, 88, 148, 180, 348, 349, 484, 541, 635, 647, 654, 774, 775, 810, 990, 991, 992, 993, 994, 995, 996

[File 9] Business & Industry(R) Jul/1994-2008/Nov 18

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**File 9: UD names were adjusted to reflect load date. All data is present.*

[File 13] BAMP 2008/Nov 18

(c) 2008 Gale/Cengage. All rights reserved.

**File 13: UD names were adjusted to reflect load date. All data is present.*

[File 15] ABI/Inform(R) 1971-2008/Nov 13

(c) 2008 ProQuest Info&Learning. All rights reserved.

[File 16] Gale Group PROMT(R) 1990-2008/Nov 10

(c) 2008 Gale/Cengage. All rights reserved.

**File 16: Because of updating irregularities, the banner and the update (UD=) may vary.*

[File 47] Gale Group Magazine DB(TM) 1959-2008/Nov 03

(c) 2008 Gale/Cengage. All rights reserved.

[File 80] TGG Aerospace/Def.Mkts(R) 1982-2008/Nov 05

(c) 2008 Gale/Cengage. All rights reserved.

[File 88] Gale Group Business A.R.T.S. 1976-2008/Nov 18

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[File 148] GALE GROUP TRADE & INDUSTRY DB 1976-2008/NOV 06

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**File 148: The CURRENT feature is not working in File 148. See HELP NEWS148.*

[File 180] Federal Register 19852008/Nov 19

(c) 2008 format only DIALOG. All rights reserved.

[File 348] EUROPEAN PATENTS 1978-200845

(c) 2008 European Patent Office. All rights reserved.

[File 349] PCT FULLTEXT 1979-2008/UB=20081113IUT=20081106

(c) 2008 WIPO/Thomson. All rights reserved.

[File 484] PERIODICAL ABS PLUSTEXT 1986-2008/OCT W1

(c) 2008 PROQUEST. All rights reserved.

[File 541] SEC Online(TM) Annual Repts 1997/Sep W3

(c) 1987-1997 SEC Online Inc. All rights reserved.

**File 541: This file is closed.*

[File 635] Business Dateline(R) 1985-2008/Nov 19

(c) 2008 ProQuest Info&Learning. All rights reserved.

[File 647] UBM Computer Fulltext 1988-2008/Nov W1

(c) 2008 UBM, LLC. All rights reserved.

[File 654] US PAT.FULL. 1976-2008/NOV 13

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[File 774] EdgarPlus(TM)-Prospectuses 2006/Oct 03

(c) 2006 Disclosure Inc. All rights reserved.

**File 774: File 774 is closed (no longer updating).*

[File 775] EdgarPlus(TM)-Reg. Statements 2006/Oct 03

(c) 2006 Disclosure Inc. All rights reserved.

**File 775: File 775 is closed (no longer updating).*

[File 810] Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire . All rights reserved.

[File 990] NewsRoom Current Aug 01-2008/Nov 18

(c) 2008 Dialog. All rights reserved.

[File 991] NewsRoom 2008 Jan 1-2008/Jul 31

(c) 2008 Dialog. All rights reserved.

[File 992] NewsRoom 2007

(c) 2008 Dialog. All rights reserved.

[File 993] NewsRoom 2006

(c) 2008 Dialog. All rights reserved.

[File 994] NewsRoom 2005

(c) 2008 Dialog. All rights reserved.

[File 995] NewsRoom 2004

(c) 2008 Dialog. All rights reserved.

[File 996] NewsRoom 2000-2003
(c) 2008 Dialog. All rights reserved.

```
SELECT ((server? or resource? or partition?) () (BALANC?? OR SHARING)) AND ((OMITT?? OR  
OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))
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Processing

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```
3201116 SERVER?  
15850002 RESOURCE?  
740450 PARTITION?  
9891306 BALANC??  
3120526 SHARING  
25467 ((SERVER? OR RESOURCE?) OR PARTITION?) (W) (BALANC?? OR SHARING)  
4128979 OMITT??  
316001 OMISSION  
756942 SKIP??  
26255920 STEP?  
1486659 SCRIPT?  
6434559 TASK?  
15850002 RESOURCE?
```

79840 ((OMITT?? OR OMISSION) OR SKIP??) (2N) (((STEP? OR SCRIPT?) OR TASK?) OR
RESOURCE?)

S1 158 SELECT ((SERVER? OR RESOURCE? OR PARTITION?) () (BALANC?? OR SHARING))
AND ((OMITT?? OR OMISSION OR SKIP??) (N2) (STEP? OR SCRIPT? OR TASK? OR RESOURCE?))

?

? rd

>>>W: Duplicate detection is not supported for File 348.

Duplicate detection is not supported for File 349.

Duplicate detection is not supported for File 541.

Duplicate detection is not supported for File 654.

Records from unsupported files will be retained in the RD set.

S2 134 RD (UNIQUE ITEMS)

? s s2 and hitachi

134 S2

379325 HITACHI

S3 0 S S2 AND HITACHI

? s s2 and schedul??

Processing

134 S2

15416808 SCHEDUL??

S4 71 S S2 AND SCHEDUL??

? s s2 and slo?

Processing

Processing

Processing

134 S2

17607650 SLO?

S5 77 S S2 AND SLO?

? s s5 and s4

77 S5

71 S4
S6 52 S S5 AND S4

? t s6/ti/all

>>>W: No matching display code(s) found in file(s):

6/II/1 (Item 1 from file: 13)

BAAMP

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Channel-aware earliest deadline due fair scheduling for wireless multimedia networks.

6/II/2 (Item 1 from file: 15)

ABI/Inform(R)

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Testing common assumptions about resource sharing

6/II/3 (Item 2 from file: 15)

ABI/Inform(R)

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Product-market strategy and performance: An analysis of the Miles and Snow strategy types

6/II/4 (Item 3 from file: 15)

ABI/Inform(R)

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Structure and perceived effectiveness of software development subunits: A task contingency analysis

6/II/5 (Item 1 from file: 47)

Gale Group Magazine DB(TM)

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THE STATUS OF LIBRARY AUTOMATION AT 2000.(Statistical Data Included)

6/II/6 (Item 2 from file: 47)

Gale Group Magazine DB(TM)

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AVAILABILITY AND COST OF WEB-BASED BIBLIOGRAPHIC SEARCH SERVICES.(World Wide

Web)

6/II/7 (Item 1 from file: 88)

Gale Group Business A.R.T.S.

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A formalism to structure and parallelize the integration of cooperative engineering design tasks.

6/II/8 (Item 1 from file: 180)

Federal Register

(c) 2008 format only DIALOG. All rights reserved.

Medicare Program; Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2009 Rates; Payments for Graduate Medical Education in Certain Emergency Situations; Changes to Disclosure of Physician Ownership in Hospitals and Physician Self-Referral Rules; Updates to the Long-Term Care Prospective Payment System; Updates to Certain IPPS-Excluded Hospitals; and Collection of Information Regarding Financial Relationships Between Hospitals

6/II/9 (Item 2 from file: 180)

Federal Register

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Fiscal Year 2008 SuperNOFA for HUD's Discretionary Programs

6/II/10 (Item 3 from file: 180)

Federal Register

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Preventing Undue Discrimination and Preference in Transmission Service

6/II/11 (Item 4 from file: 180)

Federal Register

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Fiscal Year 2007 SuperNOFA for HUD's Discretionary Programs

6/II/12 (Item 5 from file: 180)

Federal Register

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Fiscal Year 2006 SuperNOFA for HUD's Discretionary Programs

6/11/13 (Item 6 from file: 180)

Federal Register

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Notice of HUD's Fiscal Year 2005 Notice of Funding Availability Policy Requirements and General Section to the SuperNOFA for HUD's Discretionary Programs

6/106/14 (Item 1 from file: 348)

EUROPEAN PATENTS

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PEER-TO-PEER NETWORKS

PEER-TO-PEER-NETZE

RESEAUX POINT-A-POINT

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

6/106/15 (Item 2 from file: 348)

EUROPEAN PATENTS

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Burst-level resource allocation in cellular systems

Ressourcenzuweisung auf Burstebene in zellularen Systemen

Allocation de ressources en mode rafale dans des systemes cellulaires

Country	Number	Kind	Date		
Type		Pub. Date		Kind	Text
Available Text		Language		Update	Word Count
Total Word Count (Document A)					
Total Word Count (Document B)					
Total Word Count (All Documents)					

6/106/16 (Item 1 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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6/106/17 (Item 2 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
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6/106/18 (Item 3 from file: 349)

PCT FULLTEXT

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Country	Number	Kind	Date
---------	--------	------	------

6/TI/19 (Item 1 from file: 654)

US PAT.FULL.

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Method and System for Automatic Generation of Processor
Datapaths

6/TI/20 (Item 2 from file: 654)

US PAT.FULL.

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Consistent set of interfaces derived from a business object
model

6/TI/21 (Item 3 from file: 654)

US PAT.FULL.

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System and method for providing requested quality of service
in a hybrid network

6/TI/22 (Item 4 from file: 654)

US PAT.FULL.

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Peer-To-Peer Networks

6/TI/23 (Item 5 from file: 654)

US PAT.FULL.

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Methods and apparatus for supporting quality of service in
communication systems

6/TI/24 (Item 6 from file: 654)

US PAT.FULL.

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Double-proxy remote data access system

6/11/25 (Item 7 from file: 654)

US PAT.FULL.

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INFORMATION PLAYBACK SYSTEM USING INFORMATION STORAGE MEDIUM

6/11/26 (Item 8 from file: 654)

US PAT.FULL.

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INFORMATION STORAGE MEDIUM, INFORMATION REPRODUCING APPARATUS,
AND INFORMATION REPRODUCING METHOD

6/11/27 (Item 9 from file: 654)

US PAT.FULL.

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INFORMATION STORAGE MEDIUM, INFORMATION REPRODUCING APPARATUS,
AND INFORMATION REPRODUCING METHOD

6/11/28 (Item 10 from file: 654)

US PAT.FULL.

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Distributed image processing for medical images

6/TI/29 (Item 11 from file: 654)

US PAT.FULL.

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Double-proxy remote data access system

6/TI/30 (Item 12 from file: 654)

US PAT.FULL.

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Methods and systems for determining and selling outcomes for slot machine games to be viewed remotely

6/TI/31 (Item 13 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

File system with access and retrieval of XML documents

6/TI/32 (Item 14 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

Facilitating guidance provision for an architectural exploration based design creation process

6/II/33 (Item 15 from file: 654)
US PAT.FULL..
(c) Format only 2008 Dialog. All rights reserved.

Virtual file-sharing network

6/II/34 (Item 16 from file: 654)
US PAT.FULL..
(c) Format only 2008 Dialog. All rights reserved.

File system with access and retrieval of XML documents

6/II/35 (Item 17 from file: 654)
US PAT.FULL..
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Method and apparatus for browsing using multiple coordinated
device sets

6/II/36 (Item 18 from file: 654)
US PAT.FULL..
(c) Format only 2008 Dialog. All rights reserved.

Burst-level resource allocation in cellular systems

6/II/37 (Item 19 from file: 654)
US PAT.FULL..
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System and method for providing requested quality of service
in a hybrid network

6/11/38 (Item 20 from file: 654)

US PAT.FULL.

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Electronic design creation through architectural exploration

6/11/39 (Item 21 from file: 654)

US PAT.FULL.

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Generating candidate architectures for an architectural
exploration based electronic design creation process

6/11/40 (Item 22 from file: 654)

US PAT.FULL.

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System, method and article of manufacture for communications
utilizing calling, plans in a hybrid network

6/11/41 (Item 23 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

System, method and article of manufacture with integrated
video conferencing billing in a communication system architecture

6/TI/42 (Item 24 from file: 654)

US PAT.FULL.

(c) Format only 2008 Dialog. All rights reserved.

Full duplex single clip video codec

6/TI/43 (Item 25 from file: 654)

US PAT.FULL.

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Automated telephone voice service system

6/TI/44 (Item 26 from file: 654)

US PAT.FULL.

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Control system for a stored program multiprocessor computer

6/TI/46 (Item 1 from file: 990)

NewsRoom Current

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Medicare Program: Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2009 Rates; Payments for Graduate Medical Education in Certain Emergency Situations

6/TI/47 (Item 2 from file: 990)

NewsRoom Current

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Medicare Program; Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2009 Rates; Payments for Graduate Medical Education in Certain Emergency Situations; Changes to Disclosure of Physician Ownership in Hospitals and Physician Self-Referral Rules; Updates to the Long-Term Care Prospective Payment System; Updates to Certain IPPS-Excluded Hospitals; and Collection of Information Regarding Financial Relationships Between Hospitals

6/11/48 (Item 1 from file: 991)
NewsRoom 2008
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Fiscal Year 2008 SuperNOFA for HUD's Discretionary Programs

6/11/49 (Item 1 from file: 992)
NewsRoom 2007
(c) 2008 Dialog. All rights reserved.
Medical Services Policy Manual

6/11/50 (Item 2 from file: 992)
NewsRoom 2007
(c) 2008 Dialog. All rights reserved.
Make operating appropriations for the biennium.

6/11/51 (Item 3 from file: 992)
NewsRoom 2007
(c) 2008 Dialog. All rights reserved.
Preventing Undue Discrimination and Preference in Transmission Service

6/11/52 (Item 1 from file: 993)
NewsRoom 2006
(c) 2008 Dialog. All rights reserved.
Budget Bill. additional appropriations for 2004-2006 biennium.

>>>W: No matching display code(s) found in file(s):

6/11/52 (Item 1 from file: 993)

NewsRoom 2006

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Budget Bill. additional appropriations for 2004-2006 biennium.